

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050421\
 Data File : VD069061.D
 Acq On : 04 May 2021 12:04
 Operator : VA/SY
 Sample : VSTDIC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 5/5/2021 5:32:07 PM

Quant Time: May 05 03:47:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 03:42:21 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	243770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	404819	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	402770	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	191634	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	459497	146.26	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 292.52%#			
35) Dibromofluoromethane	7.914	113	419576	151.14	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 302.28%#			
50) Toluene-d8	10.338	98	1648253	160.82	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 321.64%#			
62) 4-Bromofluorobenzene	12.626	95	552720	163.96	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 327.92%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	393767	132.82	ug/l	98
3) Chloromethane	2.209	50	472637	129.54	ug/l	95
4) Vinyl Chloride	2.344	62	646698	134.03	ug/l	98
5) Bromomethane	2.732	94	395756	137.86	ug/l	98
6) Chloroethane	2.897	64	394217	140.51	ug/l	96
7) Trichlorofluoromethane	3.256	101	711007	134.19	ug/l	100
8) Diethyl Ether	3.703	74	189152	146.96	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.085	101	378794	133.51	ug/l	99
10) Methyl Iodide	4.297	142	399459	179.11	ug/l	98
11) Tert butyl alcohol	5.232	59	126123	430.18	ug/l #	91
12) 1,1-Dichloroethene	4.062	96	357446	139.93	ug/l	94
13) Acrolein	3.920	56	124943	663.66	ug/l	95
14) Allyl chloride	4.709	41	500310	151.98	ug/l	99
15) Acrylonitrile	5.415	53	415227	742.15	ug/l	100
16) Acetone	4.156	43	298205	594.34	ug/l	95
17) Carbon Disulfide	4.397	76	1180249	136.66	ug/l	99
18) Methyl Acetate	4.715	43	177108	144.75	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	913488	156.45	ug/l	99
20) Methylene Chloride	4.962	84	415622	107.39	ug/l	98
21) trans-1,2-Dichloroethene	5.467	96	437456	144.13	ug/l	98
22) Diisopropyl ether	6.362	45	1136537	154.69	ug/l	98
23) Vinyl Acetate	6.303	43	3534544	859.97	ug/l	99
24) 1,1-Dichloroethane	6.261	63	730187	140.71	ug/l	99
25) 2-Butanone	7.214	43	498744	742.57	ug/l	100
26) 2,2-Dichloropropane	7.209	77	670313	138.28	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	488253	149.04	ug/l	99
28) Bromochloromethane	7.544	49	302513	144.39	ug/l	99
29) Tetrahydrofuran	7.561	42	324454	785.30	ug/l	98
30) Chloroform	7.708	83	799728	137.78	ug/l	99
31) Cyclohexane	7.979	56	629471	138.15	ug/l	99
32) 1,1,1-Trichloroethane	7.903	97	746927	140.91	ug/l	99
36) 1,1-Dichloropropene	8.108	75	621179	145.84	ug/l	99
37) Ethyl Acetate	7.291	43	237296	147.78	ug/l	99
38) Carbon Tetrachloride	8.097	117	669960	145.04	ug/l	94
39) Methylcyclohexane	9.355	83	745740	160.13	ug/l	98
40) Benzene	8.350	78	1727770	146.61	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	134526m	141.21	ug/l	
42) 1,2-Dichloroethane	8.426	62	523252	142.04	ug/l	100
43) Isopropyl Acetate	8.456	43	468857	155.72	ug/l	99
44) Trichloroethene	9.114	130	459274	146.59	ug/l	97
45) 1,2-Dichloropropane	9.385	63	426509	146.99	ug/l	99
46) Dibromomethane	9.473	93	241248	144.65	ug/l	98
47) Bromodichloromethane	9.661	83	639755	145.89	ug/l	97
48) Methyl methacrylate	9.455	41	238556	160.71	ug/l	98
49) 1,4-Dioxane	9.461	88	57881	3001.45	ug/l	95
51) 4-Methyl-2-Pentanone	10.226	43	1229640	797.85	ug/l	99
52) Toluene	10.402	92	1146349	153.27	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	596117	156.43	ug/l	95
54) cis-1,3-Dichloropropene	10.091	75	687066	152.48	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	322833	145.76	ug/l #	90
56) Ethyl methacrylate	10.661	69	411774	172.41	ug/l	96
57) 1,3-Dichloropropane	10.944	76	569098	152.44	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	1063331	829.12	ug/l	99
59) 2-Hexanone	10.979	43	838591	806.16	ug/l	99
60) Dibromochloromethane	11.138	129	428109	145.27	ug/l	97
61) 1,2-Dibromoethane	11.244	107	319289	148.52	ug/l	96
64) Tetrachloroethene	10.873	164	364259	140.32	ug/l	93
65) Chlorobenzene	11.667	112	1201101	146.12	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	460897	148.16	ug/l	97
67) Ethyl Benzene	11.744	91	2313988	158.77	ug/l	98
68) m/p-Xylenes	11.849	106	1719089	313.70	ug/l	99
69) o-Xylene	12.179	106	792052	161.22	ug/l	99
70) Styrene	12.191	104	1396647	160.97	ug/l	99
71) Bromoform	12.355	173	231506	145.20	ug/l #	100
73) Isopropylbenzene	12.473	105	2166759	163.36	ug/l	99
74) N-amyl acetate	12.285	43	471612	169.32	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	370516	142.48	ug/l	97
76) 1,2,3-Trichloropropane	12.779	75	241259m	149.97	ug/l	
77) Bromobenzene	12.755	156	464454	151.25	ug/l	100
78) n-propylbenzene	12.814	91	2591939	159.07	ug/l	99
79) 2-Chlorotoluene	12.902	91	1424501	156.77	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	1801502	159.54	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	120669	157.39	ug/l	95
82) 4-Chlorotoluene	13.002	91	1491124	153.28	ug/l	98
83) tert-Butylbenzene	13.220	119	1496301	162.61	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	1827349	161.97	ug/l	99
85) sec-Butylbenzene	13.396	105	2136668	160.41	ug/l	99
86) p-Isopropyltoluene	13.508	119	1986277	161.56	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	921289	149.50	ug/l	100
88) 1,4-Dichlorobenzene	13.591	146	883084	145.39	ug/l	99
89) n-Butylbenzene	13.838	91	1880138	161.17	ug/l	99
90) Hexachloroethane	14.102	117	373783	147.90	ug/l	100
91) 1,2-Dichlorobenzene	13.885	146	791245	147.67	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	61749	144.37	ug/l	98
93) 1,2,4-Trichlorobenzene	15.155	180	496613	156.24	ug/l	98
94) Hexachlorobutadiene	15.261	225	260012	141.25	ug/l	95
95) Naphthalene	15.390	128	1021315	174.04	ug/l	100
96) 1,2,3-Trichlorobenzene	15.585	180	433546	157.92	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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